

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A hard handoff method for making a mobile client continuously receive internet services by carrying out a hard handoff, comprising the steps of:

carrying out a hard handoff procedure with a target radio network upon encountering a hard handoff situation in the mobile client;

carrying out a mobile IP registration procedure for the mobile client and for the target packet data service node of the target radio network without closing the current traffic links, comprising transmitting an agent advertisement message to the mobile client, and the mobile client transmitting an agent solicitation to the target packet data service node; and

shifting a traffic channel of the mobile client to the target packet data service node from a current packet data service node after setting all links.

2. (Previously Presented) The hard handoff method of claim 1, wherein the mobile client carries out a setting of independent multiple Point-to-Point Protocol (PPP) links and their control functions.

3. (Currently Amended) The hard handoff method of claim 2, wherein in setting the multiple PPP links, a channel allocation is carried out in ~~the case of~~ a same frequency handoff.

4. (Currently Amended) The hard handoff method of claim 2, wherein in setting the multiple PPP links, a frequency allocation and a channel allocation are carried out in ~~the case of a different frequencies~~ frequency handoff.

5. (New) The method of claim 1, wherein carrying out a mobile IP registration procedure further comprises transmitting a registration request to an AAA server and receiving a mobile IP registration reply from the AAA server.

6. (New) The method of claim 5, wherein the registration request is transmitted by the target packet data service node and the reply is received at the target packet data service node.

7. (New) The method of claim 6, wherein the target packet data service node transmits confirmation of the mobile IP registration reply to the mobile client.